

MID-WATER OTTER TRAWL, PURSE SEINE and PAIR TRAWL SAMPLING PRIORITIES 24

- **Every haul** should be observed, *i.e.* complete catch information for both kept and discarded species is recorded.
- Collection of length frequencies and age structures should occur after every observed haul.
- Collect 10 baskets of fish, obtain actual weights and calculate percent composition's for both the kept and discard species on every haul.

PAIR TRAWL

- If only one of the two vessels has an observer onboard, the observer should be recording the catch for both vessels (Disposition 110 should be used for the part of the catch that is pumped/transferred to other vessel).
- If both vessels have an observer onboard, the observer onboard the vessel where the catch is pumped onto should be observing and recording all of the catch. The observer onboard the other vessel should comment that "catch was loaded onto the other vessel" and leave the species section BLANK.
- If catch is dumped before coming onboard, the haul should be marked as unobserved and all visually observed discards should be noted in the species section of the haul log. Be sure to **clearly** document the situation in the comments section.

If it is not possible to biologically sample a particular haul according to protocol, the reason(s) should be noted in the comments section of the corresponding Haul Log.

Table 1g. Length frequency and age structure sampling priorities in the mid-water otter trawl, purse seine and pair trawl fisheries.

Species	Length Frequencies		Age Structures		Species	Length Frequencies		Age Structures	
	Kept	Discard	Kept	Discard		Kept	Discard	Kept	Discard
Gulf of Maine (Statistical areas 511-515)					George's Bank (Statistical areas 522, 525, 526, 561, 562)				
Bluefish	3	3	3	3	Bluefish	3	3	3	3
Cod, Atlantic	1	1	1	1	Butterfish	3	3	3	3
Cusk	2	2	1	1	Cod, Atlantic	1	1	1	1
Dogfish, Spiny	2	2	-	-	Cusk	2	2	1	1
Flounder, Am. Plaice	1	1	1	1	Dogfish, Spiny	2	2	-	-
Flounder, Winter	1	1	1	1	Flounder, Am. Plaice	2	2	2	2
					Flounder, Sand Dab	2	2	2	2

Species	Length Frequencies		Age Structures		Species	Length Frequencies		Age Structures	
	Kept	Discard	Kept	Discard		Kept	Discard	Kept	Discard
Gulf of Maine (Statistical areas 511-515) cont.....					Georges Bank (Stat areas 522, 525, 526, 561, 562) cont.....				
Flounder, Witch	1	1	2	2	Flounder, Summer	2	2	2	2
Flounder, Yellowtail	1	1	2	2	Flounder, Winter	1	1	1	1
Haddock	1	1	1	1	Flounder, Witch	2	2	2	2
Hake, Red	3	3	-	-	Flounder, Yellowtail	1	1	2	2
Hake, Silver	2	2	-	-	Haddock	1	1	1	1
Hake, White	2	2	1	1	Hake, Red	3	3	-	-
Herring, Atlantic	1	1	-	-	Hake, Silver	2	2	-	-
Monkfish	1	1	1	1	Hake, White	2	2	1	1
Pollock	1	1	1	1	Herring, Atlantic	1	1	-	-
Redfish	2	2	2	2	Lobster, American	2	2	-	-
Skate, Barndoor	-	2	-	-	Monkfish	1	1	1	1
Skate, Little	2	2	-	-	Ocean Pout	2	2	-	-
Skate, Smooth	-	3	-	-	Pollock	1	1	1	1
Skate, Thorny	-	2	-	-	Redfish	2	2	2	2
Skate, Winter	2	2	-	-	Skate, Barndoor	-	2	-	-
Wolffish	2	2	-	-	Skate, Little	2	2	-	-
					Skate, Smooth	-	2	-	-
					Skate, Thorny	-	2	-	-
					Skate, Winter	2	2	-	-
					Squid, Atl. Long-fin	3	3	-	-
					Squid, Short-fin	3	3	-	-
					Wolffish	2	2	-	-

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Table 1g. (Con't) Length frequency and age structure sampling priorities in the mid-water otter trawl, purse seine and pair trawl fisheries.

Species	Length Frequencies		Age Structures		Species	Length Frequencies		Age Structures	
	Kept	Discard	Kept	Discard		Kept	Discard	Kept	Discard
Cape Cod (Statistical area 521)					Southern New England offshore (Statistical area 537)				
Bluefish	3	3	3	3	Bluefish	3	3	3	3
Butterfish	3	3	3	3	Bonito	3	3	-	-
Cod, Atlantic	1	1	1	1	Butterfish	3	3	3	3
Cusk	2	2	1	1	Cod, Atlantic	2	2	2	2
Flounder, Sand Dab	2	2	2	2	Dogfish, Spiny	2	2	-	-
Flounder, Summer	1	1	1	1	Flounder, Sand Dab	2	2	2	2
Flounder, Winter	1	1	1	1	Flounder, Summer	1	1	1	1
Flounder, Yellowtail	1	1	1	1	Flounder, Winter	1	1	1	1
Haddock	2	2	1	1	Flounder, Yellowtail	1	1	2	2
Hake, Red	3	3	-	-	Hake, Red	3	3	-	-
Hake, Silver	3	3	-	-	Hake, Silver	2	2	-	-
Hake, White	1	1	1	1	Herring, Atlantic	1	1	-	-
Herring, Atlantic	1	1	-	-	Mackerel, Atlantic	1	1	2	2
Mackerel, Atlantic	1	1	3	3	Monkfish	1	1	1	1
Monkfish	1	1	1	1	Ocean Pout	3	3	-	-
Pollock	1	1	1	1	Scup	1	1	1	1
Redfish	2	2	2	2	Sea Bass, Black	1	1	1	1

Skate, Barndoor	-	2	-	-	Skate, Barndoor	-	2	-	-
Skate, Little	2	2	-	-	Skate, Clearnose	3	3	-	-
Skate, Smooth	2	2	-	-	Skate, Rosette	3	3	-	-
Skate, Thorny	-	2	-	-	Skate, Little	2	2	-	-
Skate, Winter	2	2	-	-	Skate, Smooth	3	3	-	-
Squid, Atl. Long-fin	2	2	-	-	Skate, Thorny	-	2	-	-
Squid, Short-fin	2	2	-	-	Skate, Winter	2	2	-	-
Tautog	3	3	-	-	Squid, Atl. Long-fin	1	1	-	-
Wolffish	2	2	-	-	Squid, Short-fin	2	2	-	-
					Tautog	3	3	-	-

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Table 1g. (Con't) Length frequency and age structure sampling priorities in the mid-water otter trawl purse seine and pair trawl fisheries.

Species	Length Frequencies		Age Structures		Species	Length Frequencies		Age Structures	
	Kept	Discard	Kept	Discard		Kept	Discard	Kept	Discard
Mid-Atlantic offshore (Statistical areas 616, 622, 623, 626, 627, 632, 636)					Mid-Atlantic inshore (Statistical areas 538, 539, 611-615, 621, 625, 631, 635)				
Alewife	3	3	-	-	Alewife	3	3	-	-
Bluefish	3	3	3	3	Bass, Striped	1	1	-	-
Butterfish	3	3	3	3	Bluefish	1	1	1	1
Dogfish, Spiny	2	2	-	-	Croaker, Atlantic	3	3	-	-
Flounder, Sand Dab	2	2	2	2	Dogfish, Spiny	1	1	-	-
Flounder, Summer	1	1	1	1	Drum, Black	3	3	-	-
Hake, Red	3	3	-	-	Drum, Red	3	3	-	-
Hake, Silver	2	2	-	-	Flounder Sand Dab	1	1	1	1
Herring, Atlantic	1	1	-	-	Flounder, Summer	1	1	1	1
Herring, Blueback	1	1	-	-	Flounder, Winter	1	1	1	1
Mackerel, Atlantic	1	1	2	2	Flounder, Yellowtail	1	1	1	1
Monkfish	1	1	1	1	Herring, Atlantic	1	1	-	-
Scallop, Sea	3	3	3	3	Herring, Blueback	1	1	-	-
Scup	1	1	1	1	Lobster, American	2	1	-	-
Sea Bass, Black	1	1	1	1	Mackerel, Atlantic	1	1	2	2
Shad, American	3	3	-	-	Mackerel, Spanish	3	3	-	-
Skate, Barndoor	-	2	-	-	Menhaden, Atlantic	3	3	-	-

Skate, Clearnose	2	2	-	-
Skate, Little	2	2	-	-
Skate, Rosette	2	2	-	-
Skate, Smooth	3	2	-	-
Skate, Thorny	-	2	-	-
Skate, Winter	3	3	-	-
Squid, Atl. Long-fin	1	1	-	-
Squid, Short-fin	2	2	-	-
Weakfish	3	3	-	-

Monkfish	1	1	1	1
Scup	2	2	2	2
Sea Bass, Black	1	1	1	1
Shad, American	3	3	-	-
Skate, Clearnose	2	2	-	-
Skate, Little	2	2	-	-
Spot	3	3	-	-
Tautog	3	3	-	-
Weakfish	1	1	-	-

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